



## Shock Society Newsletter

Spring 2010



**Daniel Remick, M.D.**  
**President, Shock Society**

### **Presidents Message**

How things can change in a year!  
With the passage of healthcare reform, 32 million Americans should now have health insurance. How this new legislation actually impacts these individuals, and the healthcare professionals who will provide their care, cannot be fully predicted. In many ways the legislation is similar to the current policies here in Massachusetts. Based on that experience one would predict that 1) the sky will not fall, 2) most of the newly insured will have access to physicians and 3) it will cost more than anticipated (which is what should be anticipated).

There have been some changes within the Society in the past year, and while they are important, even in aggregate they do not reach the level of health care reform for America. Specific charges were made to several of the Society's committees, and individuals and it is time to provide a report card on progress.

The hard-working and beloved Editor of our Journal, Irshad Chaudry, continues to provide outstanding leadership to the journal. This has become an important cornerstone for the society as a means of scientific communication and as a significant source of revenue. The journal has become so central to the function of the Shock Society that I felt it would be important to have in place a succession plan. This in no way indicates that the Society lacks confidence in Dr. Chaudry, quite the opposite. His leadership has been so valuable that we need to ensure a replacement is available should that become necessary. Fred Moore of the publications committee was charged with identifying a Senior Associate Editor for the journal who would work closely with Dr. Chaudry. Let me state clearly that this plan was considered important in order to allow a seamless transition should it become necessary.

The rules committee under the leadership of Al Ayala has carefully gone through the Shock Society Handbook to update all aspects and it is currently on my desk for review. Once my review is complete, Council has voted to place the entire contents of the handbook on the website so that it is available. Really, there is nothing in the handbook that needs to be hid from public view.

In the year 2010, the internet serves as a significant means of communication. The internet committee has been actively reviewing the website and has made suggestions. For example, the meeting dates and sites for the 2010, 2011, and 2012 are now posted.

As the Society grows in both stature and size so must our annual meeting. The ossified categories for submitting abstracts will be updated and modified. Next year, all abstracts will be reviewed in a blinded manner, i.e. the reviewers will not know the authors or the institutions. The abstract review committee will also be restructured to broaden the range of expertise and also decrease the review burden on the committee.

During the past year there have been three committees that have communicated the most frequently with me, and their hard work needs to be acknowledged. Basilia Zingarelli and the finance committee have worked diligently to watch the funds of the Society and suggest alternative strategies for investment. While council has not agreed with all of these suggestions, her hard work and diligence is appreciated. Jean Nemzek and the honors and awards committee has carefully worked to ensure that these awards are distributed to those who contribute the best science while still ensuring an equitable distribution. Finally, the 2010 program committee under the leadership of Craig Coopersmith has put together a program of uncommon excellence that will provide outstanding science to all. Of course, the entire Shock membership deserves acknowledgement for their contributions.

The Horton and Sayeed funds did not grow substantially in the past year, even with a checkbox on the dues payment form allowing people to make a donation when they paid their dues. At the spring conference call, the Society voted to begin making more substantial awards until all of the funds are exhausted, and then the awards will be terminated.

Two other items should be mentioned. The Diversity Task Force has been active during the past year to reach out and expand the diversity of our membership. We look forward to seeing the results of their work at the 2010 meeting. Carol Wells, former President of the Shock Society, has been keeping all of the paper records since the inception of the Society. Working with a budget approved by the Society, these records have been thinned and will be scanned. Selected original documents, such as the incorporation papers of the Society from 1978, and the digital files will be held by our management company, Strategem, Inc.

I also wish to acknowledge the strong support during the past year from Mary Schuerman of Strategem. She has been exceptionally responsive to all of my queries about virtually anything.

I hope to see all of you at the 2010 meeting in Portland.



**Daniel Traber, Ph.D.**  
**President-Elect**

This is an exciting time of the year for the membership. Our fellows and graduate students are running into the office and labs with all the excitement of having their abstracts accepted and some having received notification of their first travel awards. It is hard to believe that this is the 33rd year since the first meeting was held at Arlie house in Virginia. What is really unbelievable is that we have managed to keep the magic and excitement of the meeting alive and well. There will be some great sessions at the meeting and this will be one of the few times that the meeting will occur in a major city and the first time for the west coast. I hope you have reserved your rooms as they are going fast. You may register on-line for the meeting and hotel on the society's website [www.shocksociety.org](http://www.shocksociety.org) Be sure to print out the program handbook for complete meeting information. It might also be a good idea to consider making plane reservations. Although air travel had gone down, the number of flights are even more limited. Even though air travel can be expected to be

brisk in June, April and May could be slow and the airlines may have some good bargains this time of year.

Council has been active. As you will see from Dr. Zingarelli's report we have a wonderful problem, how to invest the Society's nearly 700 thousand dollars. A more serious problem may be the two proposed endowment funds for our two recently deceased past presidents Drs. Horton and Sayeed. Contributions to these funds have not been enough to reach anything like a permanent endowment. Consequently, it appears that we will spend them on awards and let them end when the funds become exhausted.

We continue to have new members joining and others asking if there is something that they can do in the society. In the case of the latter, there is a listing of the various committees of the society and the dates at which their members will expire at the end of the newsletter. Please look at the lists and contact me [dltraber@utmb.edu](mailto:dltraber@utmb.edu) as to which committees you would like to serve on. You might also consider sending nominations for officers who will be up for elections. There will also be several new positions to the program committee. Please don't be afraid to volunteer because of age. No one is too young or too old. I am certainly one of the youngest members to be elected president elect and of course Dr. Remick must be the oldest serving president of the Society. There are many rewards for offering your services to the society. We will see you in Portland.



**Craig Coopersmith, M.D.**  
**2010 Program Chair**

The 33<sup>rd</sup> Annual Conference on Shock will be held in Portland, Oregon June 12-15, 2010. Key components of this year's program include:

**Oral abstracts** – In an attempt to demonstrate just how important young investigators are to the Shock Society, every oral session will be moderated by two presidents of the society. This “dream team” will include 10 Shock Society presidents. The oral abstract sessions should therefore be can't miss sessions – the top rated abstracts and society presidents in one place at one time.

**How the workshops and symposia were organized** – Input was solicited from the entire society to make this year's sessions, and the program is based nearly entirely on suggestions from the membership. The

resulting program should therefore be reflective of what the society as a whole wants. The workshops and symposia will be:

**Everything Old is New Again – Molecules, Mechanisms and Markers in ALI/ARDS** co-chaired by Cynthia Otto, DVM, Ph.D. and Clifford S. Deutschman, M.D. Speakers include Edmund J. Miller, Ph.D., Laurie J. Kilpatrick, Ph.D., Yoram G. Weiss, M.D., Daniel L. Traber, Ph.D., James E. Baumgardner, M.D., Ph.D., and Jason D. Christie, M.D. The presentations include MIF in acute lung injury; Hsp70, inflammation and epithelial cell survival; dPKC, epithelial cells and neutrophil recruitment; capsaicin and epithelial cells; NOS, the pulmonary vasculature and the heart; insights into the dynamics of cyclical recruitment; intermittent hypoxia and injury from cyclical recruitment; and biomarkers for ALI/ARDS.

**Where are they now? Updates from previous New Investigator awardees** co-chaired by Daniel Remick, M.D. and Jessica A. Dominguez, PhD. Speakers include Ronald V. Maier, M.D., Michael West, M.D, PhD, H. Gill Cryer, M.D, PhD, Patrick O'Neill, Ph.D., M.D., Matthew Rosengart, M.D., Christian Schneider, M.D., and Marcin F. Osuchowski, DVM, Ph.D.. The presentations include Growing with the Shock Society; serendipity and adaptation in sepsis and shock; microcirculatory responses to shock and resuscitation leading to organ failure; from ivory tower to county hospital: a different path; calcium/calmodulin-dependent protein kinases (CaMK): receiving the 3 dimensions of calcium signaling in sepsis; diagnostic, therapeutic and prognostic determinants for acute and long-term survival in critically ill surgical patients: a retrospective observational study over more than one decade; and Ann Arbor-Boston-Vienna: the sepsis story continues.

**Scientific Basis of Postinjury Coagulopathy** co-chaired by Ernest E. Moore, M.D. and Philip Spinella, M.D. Speakers include Kenneth G. Mann, Ph.D., Mitchell J. Cohen, M.D., John B. Holcomb, M.D., Jeffrey L. Kashuk, M.D., and Martin A. Schreiber, M.D. The presentations include central role of thrombin in hemostasis; pathogenesis of the acute coagulopathy of trauma; rationale for pre-emptive blood components; goal directed therapy based on rTEG; fresh whole blood revisited; and the future of lyophilized blood components.

**Altered Inhibitory Receptor Activity Modulates Depressed Host Response In Sepsis/Shock /Inflammation** co-chaired by Carol Miller-Graziano, Ph.D. and Minsoo Kim, Ph.D. Speakers include Alfred Ayala, Ph.D., Basilia Zingarelli, M.D., Ph.D., Yang Liu, Ph.D., and Reginald M. Gorczynski, M.D., Ph.D.. The presentations

include an innately different perspective of PD-1: PD-L1 in sepsis; PPARgamma: facing the immune dilemma with activation and suppression; CD24 and Siglec-10 suppress post injury tissue damage-induced immune response; injury induced latent activated protein of TGFβ, Thrombospondin-1, and CD47 interact to derange patient MO differentiation and T lymphocyte activation; and CD200:CD200R interactions as an example of a complex inhibitory circuit regulating inflammation and acquired immunity.

**The Role of Pattern Recognition Receptors in Non-Immune Cell Types in Shock and Sepsis** co-chaired by Timothy R. Billiar, M.D. and Vishal Bansal, M.D. Speakers include Paul Kubes, Ph.D., David Hackam, M.D., PhD, Wajahat Mehal, M.D., and Raul Coimbra, M.D. The presentations include Toll-like receptors in non immune cells regulate the inflammatory response during sepsis; pattern recognition receptors in the intestinal mucosa: response during acute intestinal inflammation; sensing tissue injury by pattern recognition receptors; and role of toll-like receptors in the burn injury response.

**Old favorites and timely special sessions** -- The program will include the New Investigator Award competition, three poster sessions, an oral presentation by and for new investigators only, a special session on hypertonic resuscitation after severe injury, a luncheon session on diversity in research, the address by President-elect Traber, an update on the year's activities from President Remick, and the always popular free afternoon and fun run.

We look forward to seeing you in Portland!



**Irshad H. Chaudry, Ph.D.**  
**Editor, SHOCK**

Thank you, President-Elect Traber, for the opportunity to write briefly about our journal in the Newsletter. The number of manuscripts submitted to *SHOCK* has consistently increased over the past years, and again this year. I am grateful to the authors, to the Associate Editors, and to the Editorial Board members for their tremendous help and support to the journal. My sincere thanks to the Associate Editors who routinely take time from their busy schedules to summarize the manuscripts under the banner, "What's New in Shock?" in each issue. I also thank the guest reviewers for their thorough and expeditious review of the articles. Connie Weldon, our Editorial Assistant, has been and is providing

tremendous help in all aspects of the journal, i.e., manuscript processing and publications, and I thank her for her kind help. I am thankful to Mr. John Ewers, our Senior Publisher, and to Rosemary Hutzler, our Production Editor, Lippincott Williams & Wilkins (LWW), for their kind help in all matters pertaining to our publication.

*SHOCK*, with an impact factor of 3.394 is among the top journals in the field of trauma, shock, sepsis, and critical care. Although significant progress has been made since inception of the journal, there is still much room for improvement. I therefore urge the entire membership and others to submit their best work to *SHOCK* and also to please cite pertinent references in *SHOCK* in articles you submit to any journal.

I am pleased to inform you that LWW now offers the ability to attach Supplemental Digital Content (SDC) to material that we publish. This will provide readers with the very latest in video, audio and other content that can help extend our journal's realm of influence far beyond the printed pages. The information for this can be found at <http://links.lww.com/A515>. The copyright form has accordingly been modified to include a message regarding this additional material. If you would like to take the training, please check our Journal Office Checklist for Digital Content at <http://links.lww.com/A367>.

I will greatly appreciate any suggestions from our members for improving any aspect of our journal. Please e-mail your suggestions to me at [shock@ccc.uab.edu](mailto:shock@ccc.uab.edu). The Editor and the Editorial Office of *SHOCK* wish to thank all of the authors who have and who continue to submit articles to *SHOCK*.



**Basilia Zingarelli, M.D., Ph.D.**  
**Treasurer**

Dear Members of the Shock Society,

I would like to take this opportunity to share with you some efforts taken to maintain the monetary asset of our Society and to provide financial support for awards and fellowships.

At the end of the fiscal year 2009, the Society had an approximate asset of \$698,177. A detailed 2009 income and expense report will be provided at the Council Meeting at the 33<sup>rd</sup> Annual Conference in Portland, Oregon. The principal is still placed into interest-generating Money Market Funds (0.4-0.7%

annual interest). Because of the low yield of these funds, the Council has opted to consider an alternative investment in Certificates of Deposit of at least 43% of the total principal to further secure the monetary asset of our Society.

Despite the limited external contributions for awards and meeting support, the Shock Society remains highly committed to the ongoing educational programs. Again, this year the Society will award a Research Fellowship (\$60,000 over two years) to support the career development of new investigators in the areas of trauma, shock and sepsis. The Society will continue to provide five Young Investigator Awards and twenty Travel Awards of \$1000 each to allow the attendance of outstanding young investigators at our annual meeting. In addition to these established awards, the Diversity Task Force will also select a recipient for the Diversity Enhancement Award (\$1000) to allow a highly qualified underrepresented trainee to attend the annual meeting as well.

As the Shock Society is committed to foster these programs in a time of budget austerity, I would like to thank the members who have personally contributed to support the Young Investigator Award, Dr. Jureta Horton and Dr. Mohammed Sayeed memorial funds. In this regard, I would like to encourage all the members to consider offering a philanthropic gift to support our educational programs.

As I will end my service in June 2010, I also would like to thank all the members of the Shock Society for giving me the great honor and privilege of serving as Treasurer.



**Robert N. Cooney, MD.**  
**Secretary**

Greetings to the SHOCK Society membership from Upstate New York. I recently moved from Penn State in Hershey, PA to be the Chairman of Surgery at SUNY Upstate Medical University in Syracuse, NY. I'd like to take this opportunity to update all of you on several of the society's recent initiatives.

First, I'd like to encourage all of you to vote in the election for 2010 SHOCK Society Council members. Members should have received an announcement to vote with a slate of candidates electronically on March 13, 2010. To cast your ballot you should go to the

SHOCK Society's website: <http://www.shocksociety.org>  
Make sure you have your Shock Society username and membership identification number handy when you log on to vote. If you have lost either of these email [mschuerman@stratinc.com](mailto:mschuerman@stratinc.com)

I am also pleased to announce that applications are currently being accepted for the SHOCK Society Research Fellowship for Early Career Investigators. The request for proposals can be found on the Society website: <http://www.shocksociety.org/fellowship.html>  
This two year award provides up to \$30,000 per year to support the development of a basic science or clinician research scientist. Applications should be submitted to Jean Nemzek, DVM Chair of the Awards Committee at [jnemzek@umich.edu](mailto:jnemzek@umich.edu) by April 1st, 2010. The awardee will be notified by May 5th, 2010 and the award will be presented at the 33rd Annual Meeting of the Shock Society, June 12-15, 2010 in Portland, OR.

The recently established Shock Society Diversity Enhancement Award is designed to encourage highly qualified underrepresented trainees to pursue professional careers in the biomedical sciences. This competitive award provides up to \$1000 to attend the annual Shock Society Meeting. The Diversity Task Force, co-chaired by Drs. Hobart Harris and Jessica Rodriguez, reported the following award winners for this year:

Joshua Gatson, PhD, postdoctoral fellow in the Department of Surgery, UT Southwestern Medical Center

Ashanti Franklin, medical student at the Keck School of Medicine, University of Southern California.

As most of you are aware, the Shock Society increased the number of Travel Awards to a maximum of 20 awards per year. Several refinements to the Travel Award process were discussed and voted on by council. To enhance the eligibility and participation of the society as a whole council voted to recommend limiting the number of travel awards to a maximum of one per laboratory.

As a reminder to all, the 34<sup>th</sup> Annual Conference on Shock will be held at the Marriott Norfolk Waterside in Norfolk, VA from June 11 – 14, 2011. Strategem recently confirmed the date and location for the 35<sup>th</sup> Annual Conference on Shock, a joint meeting with the International Shock Congress, will be the Eden Roc Renaissance in Miami Beach from June 9 to 13, 2012.

## **OFFICERS OF THE SHOCK SOCIETY 2009-2010**

### **President**

Daniel G. Remick, MD, Boston University  
School of Medicine

### **President-Elect**

Daniel L. Traber, PhD, University of Texas Medical  
Branch

### **Secretary**

Robert N. Cooney, MD  
SUNY Upstate Medical University

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Basilia Zingarelli, MD, PhD  
Children's Hospital Medical Center

### **Editor, SHOCK**

Irshad H. Chaudry, PhD  
University of Alabama at Birmingham

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Ping Wang, MD, North Shore University Hospital, NY

Eileen Bulger, MD, Harborview Medical Center,  
University of Washington

Sanna Goyert, PhD, CUNY Medical School

Daniel Meldrum, MD, Indiana University

Brenda Smith, PhD, Oklahoma State University

Paul Wischmeyer, MD, University of Colorado  
Health Sciences

Rosemary Kozar, MD, University of Texas Health  
Science Center

Wolfgang Junger, PhD, BIDMC/Harvard Medical School

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Basil A. Pruitt, Jr., M.D., University of Texas Health  
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Daniel J. Brackett, Oklahoma Health Sciences Center,

### **Program Chair**

Craig Coopersmith, MD, Emory University School of  
Medicine

## **SHOCK SOCIETY COMMITTEES**

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Tracy Toliver-Kinsky (2010)  
Timothy Billiar (2011)  
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Edward Sherwood (2012)  
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Eileen Bulger (2012)  
Yoram Vodovotz (2012)  
Daniel Brackett (2010)  
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Mark Clemens (2012)

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Daniel Remick (2010)  
Carl J. Hauser, ad hoc (2009)

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Mark Clemens  
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Basil A. Pruitt, Jr., ex-officio  
Daniel Traber, ex-officio  
Mauricio Rocha E. Silva, ex-officio

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Deborah Stearns-Kurosawa (2012)  
Edmund Neugebauer (2012)  
Peter Burke (2010)  
Irshad H. Chaudry, ex-officio

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Piper Wall (2012)  
Lillian D. Traber (2010)  
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### **Membership Committee**

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Patrick Greiffenstein, Co-Chair (2010)  
Octavia Peck-Palmer (2011)  
Joseph Messina (2012)

### **Mentorship Committee**

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Basilgia Zingarelli, Co-Chair  
Richard Hotchkiss  
Alfred Ayala  
Robert Barber  
Keith Borg  
David Shepherd  
Jessica Clark  
Irshad Chaudry, Senior Advisor  
Daniel J. Brackett, Senior Advisor

### **Nominating Committee**

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Daniel J. Brackett (2011)  
Richard Hotchkiss (2010)

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Charles Lang (2011)  
Celeste Finnerty (2012)  
Ping Wang (2012)

### **Rules Committee**

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Lorrie Langdale (2012)  
Hongwei Gao (2012)  
Rosemary Kozar (2010)